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Technical Report  
for the  
Cargo Movement Operations System (CMOS)  
Final Software Test Description

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28 OCTOBER 1990

Prepared under

Contract Number F11624-88-D-0001/6K12  
CDRL A004-73

Prepared for

Standard Systems Center (SSC)  
Deputy Chief of Staff for Acquisition  
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## SECTION I.

### INTRODUCTION.

The purpose of this Technical Report is to review the Final Software Test Description, CDRL A009-03, which was produced for the Government by Evaluation Research Corporation. The results are provided in the form of Data Item Discrepancy worksheets as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

SECTION II.

RESULTS.

Our analysis is provided in the attached Data Item  
Discrepancy worksheets.

APPLICATIONS CSCI

The following comments are related to the  
Applications CSCI:

ORIGINATOR CONTROL NUMBER: STD1-0001  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 301

PARA NUMBER: 4.40

COMMENT OR RECOMMENDED CHANGE:

Correct the discrepancy between the text and the Table of Contents regarding paragraph numbering.

RATIONALE:

It appears paragraph 4.39 was omitted from the text and not from the Table of Contents, resulting in errors in paragraph numbers and titles.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: STD1-0002  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 367

PARA NUMBER: 4.45.13.6

COMMENT OR RECOMMENDED CHANGE:

Clarify the relationship of TD21.04 (Communication STD) with TD1242.13.

RATIONALE:

Although additional narrative was added, it is unclear how TD21.04 relates to test cases of TD1242.13. This is a resubmission of STD2A-0011.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: STD1-0003  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 380

PARA NUMBER: 4.46.1.6

COMMENT OR RECOMMENDED CHANGE:

Change 4.45.11 to 4.45.9.68 in this paragraph.

RATIONALE:

The ERC letter, "Response to Air Force Comments", number STD2A-0012, referred to paragraph 4.45.9.6.8 as being the location to test the update of the truck manifest.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]



ORIGINATOR CONTROL NUMBER: STD1-0004  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 411

PARA NUMBER: 4.48.6.1

COMMENT OR RECOMMENDED CHANGE:

Add the specific MAC manifest transactions to this test.

RATIONALE:

The ERC letter which accompanied the STD states in part, "... the transactions are the same as the normal transmission of TCMD data except for the header and trailer records." Some MAC transactions (i.e., 900, 400, and 505) are basically TCMD data. However, other MAC transactions are not, such as the 410 and 405 transactions (see IDD page D-90 and D-91). These are basically manifest transactions, not TCMD data. In addition, routing of these transactions varies, some to DPS-6, some to MAC HOST, and some to both. This test should be expanded to specify which manifests are being transmitted.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

COMMUNICATIONS CSCI

The following comments are related to the  
Communications CSCI:

ORIGINATOR CONTROL NUMBER: STD2-0001  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 21

PARA NUMBER: 4.1.3.6

COMMENT OR RECOMMENDED CHANGE:

Your response to our comment STD2B-0002 indicates that the reference to TD1134.01 has been deleted, and it has not. In addition, the remainder of our recommended change was ignored.

RATIONALE:

The reference to both TD1134.01 and TD1134.04 is still found in the Rationale section of paragraph 4.1.3.6. Our comment also indicated that the Rationale paragraph should identify exactly what requirements are satisfied by which test cases when reference is made to more than one. There are numerous cases where this has not been done, such as paragraphs 4.1.7.6, 4.1.9.6, and 4.2.4.6 (which is almost identical to paragraph 4.1.3.6). All test procedure paragraphs that have this problem should be corrected, not just those referenced directly in our comment.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: STD2-0002  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 115-118

PARA NUMBER: 4.10.4.6

COMMENT OR RECOMMENDED CHANGE:

Your response to our comment indicated that the paragraph had been modified to "eliminate" the confusion. While it has been reduced, it has not yet been eliminated.

RATIONALE:

Our comment mentioned the use of the label "List 5" for more than one list. This problem still exists. Suggest you use the same procedure as was implemented for list 3, e.g., the addition of an alphabetical suffix. In addition, the change from "user, S/A" to "System Administrator" was not made in the last paragraph of the first column on page 117.

PMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

PERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

SYSTEM ENVIRONMENT CSCI

The following comments are related to the  
System Environment CSCI:

ORIGINATOR CONTROL NUMBER: STD3-0001  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A009-03

DATE: 10/28/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 24

PARA NUMBER: 4.3.1.6

COMMENT OR RECOMMENDED CHANGE:

The Action and Rationale paragraph are still not in agreement, contradicting your response to comment STD2C-0003 on the previous version of this document.

RATIONALE:

The Action paragraph states that testing requirements are deleted for paragraphs 3.3.1a-j, 4.3.1m, and 4.3.1n. The Rationale paragraph lists 4.3.1a-j, l, n, and p. Paragraph 4.3.1.6.3 tests the requirement listed in paragraph 4.1.3m, so it does not belong in the list of deleted requirements found in the Action paragraph. If the requirement of paragraph 4.3.1l is to be validated at FCA as indicated in the Rationale paragraph, it should be added to the Action paragraph as one of the deleted items. Finally, the reference to paragraph 4.3.1p should be deleted from the Rationale paragraph, since it is not mentioned in the Action paragraph, and does not appear in paragraph 4.3.1.

CMOS PMO ACCEPTS COMMENT: YES ☐ NO ☐

ERCI ACCEPTS COMMENT: YES ☐ NO ☐

COMMENT DISPOSITION:

COMMENT STATUS: OPEN ☐ CLOSED ☐